

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

∝-Holomorphisms of a group (Miller),

Abbot, C. G. Terrestrial Temperature and Atmospheric Absorption, 104.

The Smithsonian 'Solar Constant' Expedition to Calama, Chile, 313.

Absorption, atmospheric and terrestrial temperature (Abbot), 104.

Absorption spectrum of the novae (Adams),

Achromatic fringes, types of (Barus, C.), 132.

Acorn barnacles, phylogeny of (Ruedemann), 382.

Actinomyces, taxonomic position of (Drechsler), 221.

Adams, W. S. The Absorption Spectrum of the Novae, 354.

Adams, W. S., and Joy, A. H. Spectral Characteristics of Cepheid Variables, 129.

Adrenalin, effect on melanophores (Bray), 58.

Air, mobilities of ions in (Yen), 91.

Alaskan fur seal herd, growth of (Parker),

Allis, E. P., Jr., The Myodome and Trigemino-Facialis Chamber of Fishes and the Corresponding Cavities in Higher Vertebrates, 241.

Andromeda Nebular, rotation and radial velocity of (Pease), 21.

Annual meeting, report of, 261.

Anodonta, responses of labial palps (Cobb),

Anthropology, Report of the Committee on (N. R. C.), 52.

Antitoxin, tetanus (Berg and Kelser),

Arcella dentata, variation and heredity during vegetative reproduction of (Hegner), 283.

Arey, L. B. and Crozier, W. J. The 'Homing Habits' of the Pulmonate Mollusk Onchidium, 319.

ARMSBY, H. P., FRIES, J. A., and BRAMAN, W. W. The Basal Katabolism of Cattle and Other Species, 1.

Army, measuring mental strength (Yerkes), 295. of

Arteries, dilation of (Halsted), 204. Atmospheric absorption (Abbot), 104. Award of medals, 273.

Banta, A. M. Sex and Sex Intergrades in Cladocera, 373.

Barnacles, acorn, phylogeny of (Ruedemann), 382.

Barnacles, Lepadid, derivation from the Phyllopods (Clarke), 384.

BARNETT, S. J. On Electromagnetic Induction and Relative Motion. II.,

BARUS, C. On the Equations of the Rectangular Interferometer, 13.

Types of Achromatic Fringes, 132. Interference of Pencils which Constitute the Remote Divergences from a Slit, 134.

The Interferometry of Vibrating Systems, 328.

Gravitational Attraction in Connection with the Rectangular Interferometer, 338.

The Rectangular Interferometer with Achromatic Displacement Fringes in Connection with the Horizontal Pendulum, 349.

BARUS, C., and BARUS, M. Note on Methods of Observing Potential Differences Induced by the Earth's Magnetic Field in an Insulated Moving Wire, 66.

l'ARUS, M., see Barus, C., 66.
Basal metabolism and nitrogen excretion
(Benedict and Roth), 149.

Basal metabolism, biometric study of (Harris and Benedict), 370.

BATEMAN, H. The Structure of an Electromagnetic Field, 140.

BENEDICT, F. G. and ROTH, P. Effects of a Prolonged Reduction in Diet on Twenty-Five Men. I. Influence on Basal Metabolism and Nitrogen Excretion, 149.

BENEDICT, F. G., see Harris, J. A., 370. BERG, W. N., and KELSER, R. A. The Destruction of Tetanus Antitoxin by

Chemical Agents, 174.

BILLINGS, JOHN SHAW, notice of biographical memoirs, 54.

Biometric study of human basal metabolism (Harris and Benedict), 370.
BLACKWELDER, E. The Study of the

Sediments as an Aid to the Earth Historian, 163.

BLAKE, F. C. The Depth of the Effective Plane in X-Ray Crystal Penetration, 236.

BOYER, S., see Richards, T. W., 388. Brain weight in relation to body length in

the gray snapper (Hatai), 19.
Braman, W. W., see Armsby, H. P., 1.
Bray, A. W. L. The Reactions of the Melanophores of Amiurus to Light and to Adrenalin, 58.

BRIDGES, C. B. Maroon-A Recurrent Mutation in Drosophila, 316

Bristle number in Drosophila, effect of selection on (Payne), 55.

Cabbage, disease resistance in (Jones), 42. Cadmium, resonance potentials for electrons (Tate and Foote), 9.

Cattle, basal katabolism of (Armsby, Fries, and Braman), 1.

Cepheid variables, spectral characteristics of (Adams and Joy), 129.

Chiton tuberculatus, growth and duration of life (Crozier), 322.

Chiton tuberculatus growth in different environments, (Crozier), 325.

Cladocera, sex and sex intergrades in (Banta), 373.
CLARKE, F. W. Notes on Isotopic Lead,

CLARKE, J. M. Possible Derivation of the

Lepadid Barnacles from the Phyllopods,

Cluster hypothesis in ionization (Yen), 91, 106.

Clusters, magnitudes in star (Shapley), 224. COBB, P. H. Autonomous Responses of the Labial Palps of Anodonta, 234.

Compressibility of gallium (Richards and Boyer), 388.

Conduction of electricity, thermo-electric action (Hall), 98, 297.

Continued fractions (Lehmer), 214.

Coral reefs (Davis), 197.

Coral reefs, Samoan, (Mayor), 390. Craic, W. M., see Richards, T. W., 387. Cross breeding, effect on development

(Jones), 246.

CROZIER, W. J. Growth and Duration of Life of Chiton Tuberculatus, 322. Growth of Chiton Tuberculatus in

Different Environments, 325.
- On the Method of Progression in

Polyclads, 379. CROZIER, W. J., see Arey, L. B., 319.

Crystal penetration, depth of X-ray (Blake),

Crystal structure of ice (St. John), 193. Curves described by spherical pendulum (Emch), 218.

DAVENFORT, C. B. Hereditary Tendency to Form Nerve Tumors, 213.

DAVIS, W. M. Fringing Reefs of the Philippine Islands, 197.

Metalliferous Laterite in New Caledonia, 275.

Density of gallium (Richards and Boyer)

Dershem, E. The Resolving Powers of X-Ray Spectrometers and the Tungsten X-Ray Spectrum, 62.

Dilation of great arteries, (Halsted), 204. Disease resistance in cabbage (Jones), 42. Distances of six planetary nebulae (van

Maanen), 394.

Donaldson, H. H. A Comparison of Growth Changes in the Nervous System of the Rat with Corresponding Changes in the Nervous System of Man, 280.

DOOLITTLE, E. A Study of the Motions of Forty-Eight Double Stars, 137.

Double stars, motions of (Doolittle), 137. Double stars, spectral relations of (Perrine), 71, 75.

Drechsler, C. The Taxonomic Position of the Genus Actinomyces, 221.

Drosophila ampelophila, effect of artificial selection on bristle number (Payne),

Drosophila, recurrent mutation in (Bridges), 316.

Dynamical aspects of photosynthesis (Osterhout and Haas), 85.

Earth history, sedimentation as an aid to (Blackwelder), 163.

EASTMAN, E. D., see Lewis, G. N., 25.

EKBLAW, W. E. The Importance of Nivation as an Erosive Factor, and of Soil Flow as a Transporting Agency, in Northern Greenland, 288.

Electricity, thermo-electric action with dual conduction of (Hall), 98, 297.

Electrolysis of gallium (Richards and Boyer), 388.

Electromagnetic field, structure of (Bateman), 140.

Electromagnetic induction and relative motion, II. (Barnett), 49.

Electrons, resonance potentials for in vapors (Tate and Foote), 9.

Electrons, thermal energy of (Lewis, Eastman and Rodebush), 25.
Electro-positive metals, heat capacity of (Lewis, Eastman, and Rodebush), 25. Elements, structure of chemical (Clarke),

181.

ELLERMAN, F., see Seares, F. H., 4. EMCH, A. On Closed Curves Described by a Spherical Pendulum, 218.

Erosion, importance of nivation (Ekblaw), 288.

Executive Order relative to National Research Council, 251.

FAIRCHILD, H. L. Glacial Depression and Post-Glacial Uplift of Northeastern America, 229.

Fishes, myodome and trigemino-facialis (Allis), 241.

Fluorine and tin, tests for in meteorites (Merrill), 176.

FOOTE, P. D., see Tate, J. T., 9.

Forms, invariants and canonical (Wilczynski), 300.

Forms, invariants of (Glenn), 145.

Fractions, certain Hurwitzian continued (Lehmer), 214.

Fries, J. A., see Armsby, H. P., 1.

Fringing reefs of the Philippine Islands (Davis), 197.

Frogs, parthenogenetic (Loeb), 60.

Fur seal, growth of Alaskan herd (Parker),

Gallium chloride, purification and analysis of (Richards, Craig, and Sameshima), 387.

Gallium, purification by electrolysis (Richards and Bover), 388.

Glacial depression and post glacial uplift of Northeastern America (Fairchild), 229.

GLENN, O. E. Invariants which are Functions of Parameters of the Transformation, 145.

Grants for research by the Academy, 273.

Gravitational attraction in connection with the rectangular interferometer (Barus), 338.

GREEN, G. M. On Certain Projective Generalizations of Metric Theorems, and the Curves of Darboux and Segre, 346.

Greenland, importance of nivation as an erosive factor in (Ekblaw), 288.

Group,  $\alpha$ -Holomorphisms of (Miller), 293. Growth and duration of life of Chiton tuberculatus (Crozier), 322.

Growth changes in the nervous system (Donaldson), 280.

Growth of Chiton tuberculatus in different environments (Crozier), 325.

Growth-rate of Samoan coral reefs (Mayor), 390.

HAAS, A. R. C., see Osterhout, W. J. V.,

Hall, E. H. The Validity of the Equation  $P = T \frac{dv}{dT}$  in Thermo-Electricity,

Thermo-Electric Diagrams on the P-V-Plane, 29.

Thermo-Electric Action with Dual Conduction of Electricity, 98.

-. Thermo-Electric Action with Ther-mal Effusion in Metals: A Correction, 297.

HALSTED, W. S. Dilation of the Great Arteries Distal to Partially Occluding Bands, 204.

HARDY, G. H. On the Representation of a Number as the Sum of Any Number of Squares, and in Particular of Five or Seven, 189.

HARRIS, J. A., and BENEDICT, F. G. A Biometric Study of Human Basal Metabolism, 370.

HATAI, S. The Brain Weight in Relation to the Body Length and also the Partition of Non-Protein Nitrogen, in the Brain of the Gray Snapper (Neomaenis Griseus), 19.

Heat capacity of electro-positive metals (Lewis, Eastman and Rodebush), 25.

HEGNER, R. W. Variation and Heredity During the Vegetative Reproduction of Arcella Dentata, 283.

Hereditary tendency to form nerve tumors (Davenport), 213.

Heredity in Arcella dentata (Hegner) ,283. High temperatures, specific heats at (White),

Holomorphisms of a group (Miller), 293. 'Homing habits' of the pulmonate mollusk Onchidium (Arey and Crozier), 319.

Howes, H. L., see Nichols, E. L., 305. Human basal metabolism, biometric study of (Harris and Benedict), 370.

Hydrogen, mobilities of ions in (Yen), 91.

Ice, crystal structure of (St. John), 193, IDDINGS, J. P. and Morley, E. W. A Contribution to the Petrography of the South Sea Islands, 110.

Inbreeding, effect on development (Jones), 246.

Induction, electromagnetic, and relative motion, II (Barnett), 49.

Interference of pencils which constitute the remote divergences from a slit (Barus), 134.

Interferometer, gravitational attraction in connection with (Barus), 338.

Interferometer, rectangular, equations of (Barus), 13.

Interferometer with achromatic displacement fringes (Barus), 349.

vibrating systems Interferometry of (Barus), 328.

Intergrades, sex, in Cladocera (Banta), 373. Invariants and canonical forms czynski), 300.

Invariants, functions of parameters of the transformation (Glenn), 145.

Ions, mobilities of in air, hydrogen, and nitrogen (Yen), 91.

Ions, mobilities of in vapors (Yen), 106. Isotopic lead, notes on (Clarke), 181.

Isotopes, lead, refractive index of nitrates of Richards and Schumb), 386.

Jacobi's extension of the continued fraction algorithm (Lehmer), 360.

JONES, D. F. The Effect of Inbreeding and

Crossbreeding upon Development, 246. Jones, L. R. Disease Resistance in Cabbage, 42.

Jordan regions, a characterization of (Moore), 364.

Joy, A. H., see Adams, W. S., 129.

Katabolism, basal, of cattle (Armsby, Fries, and Braman), 1. Kelser, R. A., see Berg, W. N., 174.

Labial palps, responses of in anodonta (Cobb), 234.

LARMOR, Sir J. On the Essence of Phys-

ical Relativity, 334.

Laterite, metalliferous, in New Caledonia (Davis), 275.

Lavas, analyses of (Iddings and Morley), 110.

Lead, isotopic (Clarke), 181.

Lead isotopes, refractive index of nitrates of (Richards and Schumb), 386.

LEHMER, D. N. Arithmetical Theory of Certain Hurwitzian Continued Fractions, 214.

-. On Jacobi's Extension of the Continued Fraction Algorithm, 360.

Lepadid barnacles as derived from the Phyllopods (Clarke), 384.

LEWIS, G. N., EASTMAN, E. D., and RODE-BUSH, W. H. The Heat Capacity of Electro-Positive Metals and the Thermal Energy of Free Electrons, 25.

Light, effect on melanophores (Bray), 58. Light, phosphorescent (Nichols and Howes),

LIPMAN, C. B. and WAYNICK, D. D. A Bacteriological Study of the Soil of Loggerhead Key, Tortugas, Florida, 232.

LOEB, J. Further Experiments on the Sex of Parthenogenetic Frogs, 60.

The Law Controlling the Quantity and Rate of Regeneration, 117.

Magnetic axis, location of sun's (Seares, van Maanen, and Ellerman), 4.

Magnitudes in star clusters (Shapley), 224. Man, growth changes in nervous system (Donaldson), 280.

Maroon—recurrent mutation in Drosophila (Bridges), 316.

Maskelynite (Merrill), 176.

MAYOR, A. G. The Growth-Rate of Samoan Coral Reefs, 390.

McClung, C. É. Possible Action of the Sex-Determining Mechanism, 160.

Measuring the mental strength of an army, (Yerkes), 295.

Mechanism, sex-determining (McClung), 160.

Medals, award of, 273.

Melanophores of amiurus, reactions of to light and adrenalin (Bray), 58.

Mental condition, effect of starvation on (Miles), 152.

Mental strength of an army (Yerkes), 295. MERRILL, G. P. Tests for Fluorine and Tin in Meteorites with Notes on Maskelynite and the Effect of Dry Heat on Meteoric Stones, 176.

Metabolism, effect of starvation on (Benedict and Roth), 149.

Metabolism, biometric study of (Harris and Benedict), 370.

Metals, heat capacity of electro-positive (Lewis, Eastman and Rodebush), 25. Meteoric stones, effect of heat on (Merrill),

Meteorites, fluorine and tin in (Merrill), 176.

Metric theorems, projective generalization of (Green), 346.

MICHELSON, A. A. On the Correction of Optical Surfaces, 210.

MILES, W. R. Effects of a Prolonged Reduction in Diet on Twenty-Five Men. II. Bearing on Neuro-Muscular Processes and Mental Condition, 152. MILLER, G. A. On the a-Holomorphisms of

a Group, 293.

Mobilities of ions in air, hydrogen and nitrogen (Yen), 91.

Mobilities of ions in vapors (Yen), 106. MOORE, R. L. A Characterization of Jordan Regions by Properties Having No

Reference to their Boundaries, 364. Morley, E. W., see Iddings, J. P., 110. Motion, retarded by radiation (Page), 47;

(Larmor), 334. Muscular work, effect of starvation on (Smith), 157.

Mutation in Drosophila (Bridges), 316. Myodome chamber of fishes (Allis), 241.

NATIONAL ACADEMY OF SCIENCE, Report of

the Annual Meeting, 261.
- Award of Medals, 273.

Grants from Trust Funds, 273.

NATIONAL RESEARCH COUNCIL, Report of the Committee on Anthropology, 52.

Meetings of the Executive Committee, 76.

Minutes of Executive Board of War Organization, 122.

- Executive Order Issued by the President of the United States, May 11, 1918, 251.

Minutes of the Second Meeting of the Executive Board of the War Organization in Joint Session with the Council of the National Academy of Sciences, 252.

Minutes of Third Meeting of Executive Board of War Organization, 256.

-. Minutes of the Meeting of the Executive Board, 397, 405, 414.
-. Minutes of Joint Meeting of the Executive Board and the Council of the National Academy of Sciences, 410.

Nebula, rotation and radial velocity in andromeda (Pease), 21.

Nebulae, planetary (van Maanen), 394. Nervous system of rat, growth changes in

(Donaldson), 280. Neuro-muscular processes and mental con-

dition as affected by reduction in diet (Miles), 152.

New Caledonia, metalliferous laterite in (Davis), 275. Nichols, E. L., and Howes, H. L. Types

of Phosphorescence, 305

Nitrates of lead isotopes (Richards and Schumb), 386.

Nitrogen, partition of non-protein in the brain of the gray snapper (Hatai), 19. Nivation, importance of as an erosive fac-

tor (Ekblaw), 288.

Northeastern America, glaciation (Fairchild), 229.

Notice of Biographical Memoirs, John Shaw Billings, 54.

Novae, absorption spectrum of (Adams), 354.

Number, resolved into sum of squares (Hardy), 189.

Onchidium, homing habits of (Arey and Crozier), 319.

Optical surfaces, the correction of (Michelson), 210.

OSTERHOUT, W. J. V., and HAAS, A. R. C. Dynamical Aspects of Photosynthesis,

PAGE, L. Is a Moving Star Retarded by the Reaction of Its Own Radiation?

PARKER, G. H. The Growth of the Alaskan Fur Seal Herd between 1912 and 1917, 168.

Parthenogenetic frogs, sex of (Loeb), 60. PAYNE, F. The Effect of Artificial Selection on Bristle Number in Drosophila Ampelophila and its Interpretation, 55.

PEASE, F. G. The Rotation and Radial Vélocity of the Central Part of the Andromeda Nebula, 21.

Pendulum, curves described by spherical (Emch), 218.

Perrine, C. D. Dependence of the Spectral Relation of Double Stars upon Distance, 71.

Hypothesis to Account for the Spectral Conditions of the Stars, 75.

Petrography of the South Sea Islands (Iddings and Morley), 110.

Philippine Islands, fringing reefs of (Davis), 197.

Phosphorescence, types of (Nichols and Howes), 305.

Photosynthesis, dynamical aspects of (Osterhout and Haas), 85.

Phyllopods as possible derivation of the Lepadid barnacles (Clarke), 384.

Phylogeny of the acorn barnacles (Ruedemann), 382.

Planetary nebulae, distances of (van Maanen), 394.

Polyclads, method of progression in (Crozier), 379.

Potassium, resonance potentials for electrons (Tate and Foote), 9.

Potential differences induced by earth's

magnetic field in an insulated moving

wire (Barus and Barus), 66.
Potentials, resonance and ionization for electrons in metallic vapors (Tate and Foote), 9.

Progression in Polyclads (Crozier), 379.

Projective generalizations of metric theorems (Green), 346.

Purification by sublimation and analysis of gallium chloride (Richards, Craig, and Sameshima), 387.

Purification of gallium by electrolysis, and its compressibility and density (Richards and Boyer), 388.

P-V-plane, thermo-electric diagrams (Hall), 297.

Radial velocities, solar motion based on (Strömberg), 36.

Radiation, is a moving star retarded by reaction of? (Page), 47.

Rat, growth changes in nervous system of (Donaldson), 280.

Reduction in diet as affecting neuro-muscular processes and mental condition (Miles), 152.

Reduction in diet, effects of on twenty-five men (Benedict and Roth), 149.

Reduction in diet, influence on efficiency

during muscular work (Smith), 157. Reefs, fringing the Philippine Islands (Davis), 197.

Refractive index and solubilities of nitrates of lead isotopes (Richards and Schumb), 386.

Regeneration, law controlling rate of (Loeb), 117.

Relativity and electro-magnetic induction (Barnett), 49.

Relativity and reaction to radiation (Page), 47; (Larmor), 334.

Report of annual meeting, 261.

Research Grants by the Academy, 273.

Research Information Committee (N. R. C.), 124.

Resistance to disease in cabbage (Jones), 42.

Resonance and ionization potentials for electrons in vapors (Tate and Foote), 9.

RICHARDS, T. W., and BOYER, S. The Purification of Gallium by Electrolysis, and the Compressibility and Density of

Gallium, 388.
RICHARDS, T. W., CRAIG, W. M., and SAMESHIMA, J. The Purification by Sublimation and the Analysis of Gallium Chloride, 387.

RICHARDS, T. W., and SCHUMB, W. C. Refractive Index and Solubilities of the Nitrates of Lead Isotopes, 386.

RODEBUSH, W. H., see Lewis, G. N., 25.

Rотн, P., see Benedict, F. G., 149. RUEDEMANN, R. The Phylogeny of the Acorn Barnacles, 382.

Seal herd, Alaskan, growth of (Parker), 168. SEARES, F. H., VAN MAANEN, A., and ELLERMAN, F. The Location of the Sun's Magnetic Axis, 4.

Sameshima, J., see Richards, T. W., 387. Samoan coral reefs, growth-rate of (Mayor),

SCHUMB, W. C., see Richards, T. W., 386. Sediments, study of as an aid to the earth historian (Blackwelder), 163.

Selection, effect on bristle number in Drosophila (Payne), 55.

Sex-determining mechanism, possible action of the (McClung), 160.

Sex and sex intergrades in Cladocera (Banta), 373.

Sex of parthenogenetic frogs (Loeb), 60.
SHAPLEY, H. Studies of Magnitudes in
Star Clusters, VIII. A Summary of Results Bearing on the Structure of the Sidereal Universe, 224.

Sidereal universe, structure of (Shapley), 224.

Small-ion hypothesis in ionization (Yen), 91, 106.

SMITH, H. M. Effects of a Prolonged Reduction in Diet on Twenty-Five Men. III. Influence on Efficiency during Muscular Work, 157.

Smithsonian 'solar constant' expedition to Calama, Chile (Abbot), 313.

Soil flow as a transporting agency (Ekblaw), 288.

Soil of Loggerhead Key (Lipman and Waynick), 232.

Solar constant expedition to Chile (Abbot), 313.

Solar motion based on radial velocities (Strömberg), 36.

Solubilities of the nitrates of lead isotopes (Richards and Schumb), 386.

South Sea Islands, petrography of (Iddings and Morley), 110.

Specific heats at high temperatures (White), 343.

Spectral characteristics of cepheids (Adams and Joy), 129.

Spectral conditions of the stars (Perrine),

Spectrum, absorption, of the novae (Adams),

Spectrum, X-ray, of tungsten (Dershem),

Squares, representation of a number as the sum of (Hardy), 189.

JOHN, A. The Crystal Structure of Ĭce, 193.

Star clusters, magnitudes in (Shapley), 224. Stars, double, a study of the motions of (Doolittle), 137.

Stars, double, dependence of spectral relation upon distance (Perrine), 71.

Star, moving, retarded by reaction of radiation (Page), 47.

Stars, spectral conditions of (Perrine), 75. Stars, spectrum of cepheids (Adams and Joy), 129.

Starvation, effects of (Benedict and Roth), 149; (Miles), 152; (Smith), 157.

Stream motion of stars (Strömberg), 36.

STRÖMBERG, G. A Determination of the Solar Motion and the Stream Motion Based on Radial Velocities and Absolute Magnitudes, 36

Structure of electromagnetic field (Bateman), 140.

Sublimation of gallium chloride (Richards, Craig, and Sameshima), 387.

Sun's magnetic axis, location of (Seares, van Maanen, and Ellerman), 4.

TATE, J. T., and FOOTE, P. D. Resonance and Ionization Potentials for Electrons in Cadmium, Zinc, and Potassium Vapors, 9.

Taxonomic position of actinomyces (Drechsler), 221.

Terrestrial temperature and atmospheric absorption (Abbot), 104.

Tetanus antitoxin, destruction by chemical agents (Berg and Kelser), 174.
Thermo-electric action with dual con-

duction of electricity (Hall), 98.

Thermo-electric action with effusion in metals (Hall), 297.

Thermo-electric diagrams on the P-V-plane (Hall), 29.

Thermo-electricity, validity of equation P = T dv/dt in (Hall), 11.

Tortugas, soil of Loggerhead Key (Lipman

and Waynick), 232.

Trust Funds of the Academy, research grants from, 273.

Tumors, nerve, heredity of (Davenport), 213.

Tungsten X-ray spectrum (Dershem), 62.

Universe, structure of the sidereal (Shapley),

VAN MAANEN, A. The Distances of Six Planetary Nebulae, 394.

van Maanen, A., see Seares, F. H., 4. Vapors, mobilities of ions in (Yen), 106.

Variable stars, spectral characteristics of cepheids (Adams and Joy), 129.

Variation in arcella dentata, (Hegner), 283. Vibrating systems, interferometry of (Barus), 328.

Volcanic rocks, analyses of (Iddings and Morley), 110.

War organization, minutes of executive board of (N. R. C.), 122.

WAYNICK, D. D., see Lipman, C. B., 232. WHITE, W. P. The General Character of Specific Heats at High Temperatures,

Wilczynski, E. J. Invariants and Canonical Forms, 300.

crystal penetration, depth X-Ray (Blake), 236.

X-Ray spectrometers, resolving powers of (Dershem), 62.

X-Ray spectrum of tungsten (Dershem), 62.

YEN, K. L. Mobilities of Ions in Air, Hydrogen, and Nitrogen, 91.

—. Mobilities of Ions in Vapors, 106. Yerkes, Major R. M. Measuring Mental Strength of an Army, 295.

Zea mays L., inbreeding and crossbreeding of (Jones), 246.

resonance potentials for electrons Zinc, (Tate and Foote), 9.